
THIRTY-SIXTH ANNUAL REPORT

PEMBROKE WATER WORKS

PEMBROKE - - - - NEW HAMPSHIRE

BOARD OF COMMISSIONERS

Philip Brasley, *Chairman*

Arthur J. Richard

Victor R. Girard

William R. LeClair

Frank A. Petit

FOR THE YEAR ENDING DECEMBER 31, 1951



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Annual Report of the Board of Water Commissioners

For The Year Ending December 31, 1951

Administration

One of the initial acts of your Commissioners was to appoint a new Superintendent. This became necessary due to the resignation of Edgar G. Belrose early in January. Advertisements were inserted in several local papers for candidates to appear before the Board. Several candidates appeared, both local and from out of town, and were interviewed as to their experience and qualifications.

After careful deliberation, it was decided to employ Martin G. Ferry, who is a Civil Engineer and has had several years experience in both administration and construction of water systems. The salary was fixed at \$75.00 per week, and a contract was executed for a term of three years.

On February first, 1951, John O. Bellerose resigned as collector and also resigned as Water Commissioner, and Mr. Ferry was appointed, on a temporary basis, to act as Collector. Early in May, due to the fact that it was necessary to make out water bills for July first billing, it became necessary to appoint a collector, in other than a temporary basis, and, therefore, Mr. Ferry was appointed as Collector at a salary of \$10.00 per week. It was felt that this combination would work out satisfactorily and for the best interests of all concerned.

For the information of all concerned, the duties of Collector comprise the making out of all water bills, twice a year, and mailing them to all water users. Any expense involved in typing these bills is borne by the Collector and paid for by him at his personal expense. In collecting these accounts, delinquencies must be followed up until

final collection. Fines are imposed, according to regulations, and oftentimes it becomes necessary to issue final shut-off notices to insure collection.

The following is a comparison of Accounts Receivable, or uncollected bills, as shown in Annual Reports:

December 31, 1950	\$2,090.25
December 31, 1951	225.55

The question of wages was brought up and thoroughly discussed. It is a well-known fact that Water Works labor is of a somewhat different calibre than most common labor. In an emergency, these men are required to work in all kinds of weather and conditions, and are subject to call at any time, day or night. The wages of the two regular men were fixed at \$1.25 per hour, and any additional help required would be at the rate of \$1.10 and \$1.00 per hour. This same rate also applies to all overtime work. One of these regular men is subject to "stand-by" duty during any absence of the Superintendent. This procedure has worked out very well, and the public can rest assured that someone is "on call" at all times, whether day or night, and can be reached by telephone.

Survey of Fixtures

A complete survey of fixtures had not been made for some years and, therefore, it was deemed advisable to make a complete survey. This was started early in the spring and was made by John D. Welch. A very thorough job was done and it is felt that everyone is now paying for whatever facilities they may have. This will also increase the revenue about 14%. A spot check of fixtures will be made from time to time, and it is earnestly requested that all property owners notify the Water Works when any additional fixtures are installed. This will help keep our records up-to-date.

The Public Utilities Commission would have required that this survey be done before any rate increase would be considered and established by them.

Community House

This building was purchased from the School District for the sum of \$200.00 by the Water Works to provide adequate garage facilities for their trucks, compressors, pumps, etc. Heretofore, it had been necessary to pay for storage for this equipment during the winter months. At other times trucks were garaged in employees' yards to keep them off the streets. This building also provides a good work-shop and ample storage space for pipe, fixtures and all necessary tools and equipment. In the future, all equipment and supplies can now be housed under one roof, with the exception of the large water pipe and fittings which will be stored in the field at the Concord Well site.

The following table shows the complete cost of this remodeling job:

Land & Building	\$200.00
Water Works Labor (see Note)	251.85
Materials purchased	22.79
Labor & Materials (furnished by Contractor)	754.86
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Total Cost	\$1,229.50

*Note: Time put in by regular Water Works employees was done during inclement weather and kept the regular men employed.

The first floor was removed in the southern half of the building in order to lower the grade to conform with the driveway in the front. A large overhead door was installed to provide access for trucks. The northern half, formerly used by the band, has been converted into a work shop with ample space for bins, shelves, etc. The band now has the use of the entire top floor for their activities.

Hydrants

One new hydrant was installed on River Road in Allenstown, near the residence of Roland Duford. This is one of the two hydrants voted in by Allenstown some three years ago. The other will be installed as soon as a location is decided upon. All old Ludlow hydrants that

were removed by the contractor on the new construction job were completely overhauled, new parts installed and most of them reset on Pembroke, Glass and Buck Streets.

All hydrants have been inspected periodically and several removed and necessary repairs made. During the winter months a few were found frozen and several others were found to contain water, due to the surrounding water table being higher than the hydrant drips. Any hydrant found frozen was thawed out at once and these, together with the ones containing water, were treated with alcohol as an anti-freeze.

This department has endeavored to cooperate with the Fire Department by notifying them in all cases where a hydrant is "out of use." It is also the policy of this department to have an employee report to all fires, as far as is practical, in case anything happens to a hydrant.

Mains

New Construction

Due to the increased water pressure on Turnpike Street caused by the new water system, it became necessary to replace the old wood pipe on Millard Street. This line was continued to Kimball Street and then along Kimball Street to Main Street.

Millard St.—Turnpike to Kimball	6"	600 ft.
Millard St.—Millard to Main	6"	253 ft.
Hillcrest Ave., east from Broadway	6"	625 ft.
Grandview Road extension	6"	115 ft.
River Road, Allenstown—Bailey		
Lumber Co. (formerly wood stave)	6"	24 ft.

1,617 ft.

It is believed that with the replacing of the 6" wood pipe at Bailey's, Allenstown is entirely free of wood stave pipe. The only wood stave pipe left in Pembroke is from Foss' to Bombay Bridge, a distance of approximately 13,300 feet.

Maintenance

Wood

The old wood stave was a constant source of trouble and maintenance was expensive. The replacing of this, in part, with new iron pipe has alleviated this trouble to a large extent, with the exception of Epsom.

During 1951 approximately 160 leaks were repaired, about 75% of them being in the town of Epsom.

Iron

21 leaks were repaired in the cast iron system. A few of the most costly were as follows:

Main Street—at Bridge

Turnpike—at Bartlett

River Road—three at various locations

Services

24 new services—Pembroke and Allenstown

1 new service—Epsom

32 services relaid—Pembroke and Allenstown

6 services relaid—Epsom

39 services repaired, shutoffs, boxes, etc.

Gates

New Installations

1 6" Hillcrest Avenue at Broadway

1 6" Kimball Street at Main

1 12" River Road near residence of Roland Duford

1 12" Epsom—on Back Road near Mack's

The 12" gate near Mack's house on Back Road in Epsom was installed so that the wood stave line from Bombay Bridge to Mack's can be cut off at any time should a serious break develop in this locality. Also when the status of Epsom is disposed of, in all probability, this section will be abandoned entirely at this gate. Should this happen, a relief valve must be installed in Short Falls to relieve any abnormal pressure.

Comparative Water System Data

WATER MAINS

Size	As of December 31, 1949			As of December 31, 1951		
	Cast Iron	Wood	Total	Cast Iron	Wood	Total
4"	2,950	.....	2,950	2,975	.....	2,975
6"	18,917	9,126	28,043	22,807	.....	22,807
8"	8,213	11,497	19,710	18,526	.....	18,526
10"	1,000	.....	1,000	1,00	.....	1,000
12"	16,840	47,175	64,015	35,996	38,385	74,371
14"	14,660	6,552	21,212	20,485	6,552	27,037
16"	.....	4,750	4,750	.....	4,750	4,750
Totals	62,580	79,100	141,680	101,789	49,677	151,466

The total shows 9,786 feet of pipe added to the system, distributed as follows:

Concord Well - Station - To Loudon Road	3,240 ft.
6" pipe used for Hydrants, etc.	525 ft.
Broadway	1,400 ft.
Brickett Hill Road to Tank	1,256 ft.
Extensions — 1950-1951	3,365 ft.
	<hr/> 9,789 ft.

Present Operating System

Size	EPSOM			PEMBROKE and ALLENS.		
	Cast Iron	Wood	Total	Cast Iron	Wood	Total
4"	.....	.....	.....	2,975	.....	2,975
6"	2,400	.....	2,400	20,407	.....	20,407
8"	.....	.....	.....	18,526	.....	18,526
10"	.....	.....	.....	1,000	.....	1,000
12"	.....	14,119	14,119	35,996	13,376	49,372
14"	14,660	6,552	21,212	5,825	.....	5,825
16"	.....	4,750	4,750	.....	.....	.....
Totals	17,060	25,421	42,481	84,729	13,376	98,105

TOTALS

Epsom	42,481
Pembroke	98,105
To be abandoned	10,880 (wood stave)
	<hr/> 151,466

HYDRANTS — PUBLIC

Pembroke	86
Allenstown	33
Epsom	10
	<hr/> 129

NUMBER OF SERVICES 1,115 approx.

Miscellaneous

Probably one of the major changes of note in the water system during the past year was the change-over in the source of supply and method of distribution.

During the early part of the year the source of supply was Pleasant Pond in the town of Deerfield, and distribution by gravity into the system.

As is well known, a new system was in process of construction and was completed later in the summer. This source of supply is taken from gravel packed wells located on either side of the Soucook River. The water from these wells is pumped directly into the system and all excess not required for immediate use is bypassed to the storage tank on Brickett Hill. When this tank is practically full, the pump is shut off and the supply to consumers is then delivered by gravity from this storage tank.

The water from the Pembroke well is of excellent quality and requires no treatment of any kind for consumers use. Soda ash is added to act as a neutralizer in preventing corrosion in the old iron mains and services. All new mains are cement lined and are not subject to corrosion.

Daily pumping records are kept and, while the new system was in use only a part of the year, records show that the daily average pumped was 585,000 gallons, which means the daily per capita to be approximately 150 gallons. This amount is not excessive for an un-metered system.

It is very obvious that during the hot summer season when hose connections are in use this daily average will increase, and, therefore, the per capita used will also be materially increased.

Open house was held for public inspection of the Pumping Station, at Soucook River, on a Saturday and Sunday in the fall of 1951. Supt. Ferry was on duty to explain all details and furnish any information desired. Notices appeared in the local papers announcing this open

house, and a number of visitors availed themselves of this opportunity.

At the Town Meeting held in March, 1949, it was voted to appoint a Committee to work in conjunction with the regular Board of Water Commissioners. This Committee was to be known as the Advisory Committee and was to be comprised of seven men who would aid the Commissioners in the planning and development of a new water system.

The original appointees were as follows: Charles W. Green, Frederick M. Pettingill, Warren G. Foss, Chester B. Robinson, Walter Bergevin, Arthur J. Richard and Frank A. Petit. After the organization of this committee, Charles W. Green was appointed as Chairman and Frank A. Petit as Secretary.

In March, 1950, Arthur J. Richard was elected to the regular Water Board to fill out the unexpired term of Rufus B. Robinson, who had resigned, and Albert Ritchotte was appointed to fill this vacancy. George Chickerling was appointed to fill out the vacancy created by the death of Frederick M. Pettingill.

In March, 1951, Frank A. Petit was elected to the regular Board of Water Commissioners, and Albert J. Richard was appointed to fill this vacancy, although Mr. Petit still continued to act as Secretary to the Committee.

There is probably very little realization as to how much time and effort these men put into this project, without compensation of any kind, from the beginning to the end of their tenure of office. The Committee voted, of their own volition, that it would require a two-third's attendance of the twelve to form a quorum. At every meeting there were at least eight in attendance, which is a very good percentage for a Board of this kind. This Advisory Committee will go out of existence at this Town Meeting and it seems only just and fitting at this time that they be given an overwhelming vote of thanks for their efforts in behalf of their community.

Rufus B. Robinson

During the summer of 1951, the Town of Pembroke suffered a great loss in the death of Rufus B. Robinson, who was one of the original members of the Water Commission, and who remained a member of this Board for several years thereafter. Mr. Robinson was one of the staunch members of the Board and his counsel and guidance will be sadly missed among his many friends.

Pembroke Water Works

Detailed Statement of Disbursements for the year

Ending December 31, 1951

JANUARY, 1951

Payroll Account

M. G. Ferry, Supt.	\$230.00	
Aldei Duguay - Labor	158.75	
Donald Brasley - Labor	132.55	
Edward Duguay - Labor	4.40	
William Brasley - Labor	4.40	
Benjamin Raymond - Labor	2.75	
Armand Pelletier - Labor	2.75	
		\$535.60

Summary of Bills Paid

J. J. Moreau and Son, Inc. - supplies	\$27.58	
J. C. Brasley - gas, oil and welding	60.85	
Petit Plumbing Co. - stove pipe, etc	3.45	
Martel Brothers - balance due	1.95	
Suncook Valley Free Press - adv. for Supt.	3.75	
Man. Sand, Gravel, Cement Co.-crusher run gravel	12.23	
M. H. Rowe - filling washout Pem. Hill road	9.00	
Smith's Service Station - gas	11.12	
Chase's Garage - gas, oil, repairs and storage	66.38	
Monitor-Patriot Co. - adv. for Supt.	2.67	
Mrs. Doris E. Dixon - typewriter and table	60.00	
John W. Cox - labor	4.00	
		\$262.98
		\$798.58

FEBRUARY 1951

Payroll Account

M. G. Ferry - Supt. and temp. Coll.	\$320.00	
Aldei Duguay - Labor	242.50	
Donald Brasley - Labor	204.05	
Arthur Duguay - Labor	6.60	
Joseph Duguay - Labor	3.30	
John Welch - Survey of fixtures	152.50	
		\$928.95

Distribution of Payroll Account, Jan. 15 to March 1

Administration and Supervision	\$550.00
Hydrants, periodic insp., repairs and thawing	178.60
Repairs to Mains, supply and distribution	
Epsom \$210.00 Other \$130.00	340.00
Repairs to Services	176.55
Survey to Fixtures	152.50

Miscellaneous Operations 66.90

Total Gross Payrolls Jan. 15-Mar. 1 \$1,464.55

Summary of Bills Paid

M. G. Ferry, Supt. - cash expenses	\$8.25	
Man. Sand, Gravel and Cement Co. - 1950 Acct.	1,047.60	
C. H. Wells Co. - office and survey supplies	4.40	
Alfred B. Hartford - auditing of accounts	231.50	
Socony Vacuum Oil Co. - gas for pumping station	113.63	
A. J. Richard - office safe	25.00	
Manchester Water Works - meter horns	5.40	
The Pembroke Press - adv. and auditors supplies	48.52	
K. M. Woodbury - Superintendent's bond	5.00	
Chase's Garage - gas, repairs and storage	28.23	
Smith's Service Station - gas, oil (Dec. acct. \$32.08)	64.52	
N. H. Hardware and Plumbing Supply Co.		
hydrant tools	25.73	
Racette Radio Electric Serv. - office keys	2.00	
Pleasant St. Machine Co. - welding 2 hydrants	26.75	
Hillside Garage - use of wrecker, hydrant repairs	5.00	
Army and Navy Store, Concord - pair rubber boots	9.95	
Johnson-Barker-Webb - service supplies	29.63	
Union-Leader Corp - adv. for Supt.	11.34	
Richotte Ins. Agency - ins. on 1½ ton truck	39.12	
Public Service Co. of N. H. - power for pump. sta.	11.45	
J. C. Brasley - gas, oil, fuses	4.19	
Alfred Metivier - fuel oil, pumping station	40.69	
N. E. Tel. and Tel. Co. - phone service Supt.'s res.	5.62	
		\$1,792.98
		<hr/>
		\$2,721.93

MARCH, 1951

Payroll Account

M. G. Ferry Supt. and temp. Coll.	\$320.00	
Aldei Duguay - Labor	238.75	
Donald Brasley - Labor	209.00	
George Duguay - Labor	8.80	
John Welch - Survey of Fixtures	165.00	
		<hr/>
		\$941.55

Distribution of Payroll Account

Administration and Supervision	\$320.00
Hydrants, repairs and testing	68.45
Main, repairs to	
Epsom \$191.70 Other \$140.40	332.10
Services, relaying and repairs to	56.00
Survey of Fixtures	165.00
	<hr/>
Total gross payroll	\$941.55

Summary of Bills Paid

M. G. Ferry, Supt. - cash expenses, stamps, PO box	\$3.75	
Johnson-Barker-Webb - service fittings	409.64	
Suncook Hardware - socket wrench	1.19	
The Pembroke Press - Water Works joint reports	168.20	
J. C. Brasley - machine work	7.25	
Bailey Lumber Co. - trench lumber	16.18	
Hedge and Mattheis - danger torches	23.25	
Walter B. Chase - gas and oil		
(Cady) testing pump house engine	2.24	
Brown and Saltmarsh - office supplies	24.69	
Wheeler and Clark - collector's stamp	4.58	
N. H. Hardware and Plumb. Supply Co.		
copper tubing, screw plate	748.57	
Howe and French, Inc. - soda ash for pump. sta.	14.50	
Casellini-Venable Corp of N. H. - power pump		
frost wedges	346.70	
H. P. Welch Co. - trucking soda ash	3.38	
Auclair Transportation - trucking fixtures	1.30	
H. R. Prescott and Sons - hydrant testing		
outfit, packing	46.55	
Public Service Co. of N. H. - power for pump. sta.	5.29	
Chase's Garage - gas, oil, truck storage	56.84	
Layne-New York Co., Inc. - oil for elec. pumps	3.09	
		\$1,887.19
		<hr/>
		\$2,828.74

APRIL, 1951

Payroll Account

M. G. Ferry, Supt. and temp. Coll.	\$320.00	
Aldei Duguay - Labor	230.00	
Donald Brasley - Labor	196.90	
Ernest L. Martel - Labor	158.75	
Paul Annis - Labor	5.50	
Benjamin Raymond - Labor	2.75	
John D. Welch - Survey of Fixtures	165.00	
		<hr/>
		\$1,078.90

Distribution of Payroll Account

Administration and Supervision	\$320.00
Hydrants, repairs and testing	74.50
Mains, repairs to — Iron pipe	69.20
Wood pipe flEpsom	\$161.50
Other	\$133.20
	284.70
Services - New Installations	97.00
Relays	68.50
Survey of Fixtures	165.00
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Total gross payroll	\$1,078.90

Summary of Bills Paid

J. C. Brasley - gas, oil and repairs	\$40.61	
Chase's Garage - pump repairs necessary work for inspection and garage rent	32.59	
H. R. Prescott and Sons - service pipe fittings	9.00	
N. E. Tel and Tel. Co. - Telephone service	12.30	
Man. Sand, Gravel, Cement Co. - fill for Main St.	11.18	
Kenneth M. Woodbury - add. premium on policy	1.55	
Harry K. Rogers - insurance on compressor	42.00	
N. H. Explosives and Mach. Co. - pump underframe	50.00	
Public Service Co. of N. H. - power for pump. sta.	95.27	
N. H. Hardware and Plumb. Co.,-1" copper tubing	57.04	
		<hr/>
		\$351.54
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		\$1,430.44

MAY, 1951**Payroll Account**

M. G. Ferry, Supt. and Coll.	\$420.00	
Aldei Duguay - Labor	291.25	
Donald Brasley - Labor	253.00	
Ernest L. Martel - Labor	287.50	
John D. Welch - Survey of Fixtures	88.00	
		<hr/>
		\$1,339.75

Distribution of Payroll Account

Administration and Supervision	\$420.00
Mains, repairs to — iron	78.80
Wood Epsom	\$244.60
Other	\$105.30
	349.90
Services - new	127.50
relays	108.39
repairs	37.16
Hydrants, repairs to	
for joint committee	130.00
Survey of Fixtures	88.00
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Total gross payroll	\$1,339.75

Summary of Bills Paid

M. G. Ferry, Supt. - cash expenses, stamps 200 3c	\$6.00
Katherine A. Crowley, Register copies of Epsom and Suncook maps	1.50
Hedge and Mattheis Co. - tools, repair parts	39.10
Howe and French, Inc. - soda ash	43.50
Public Service Co. of N. H. - power for pump. sta.	73.08
N. E. Tel. and Tel. Co. - Water Works phone	10.50
H. P. Welch Co. - transp. soda ash to pump. sta.	9.09
H. R. Prescott and Sons lead, rings and repairs to pressure gauge	50.72
J. C. Brasley - gas and hose clamp	3.96

Army and Navy Store, Concord - 2 pr. rubber boots	17.96	
Alfred B. Hartford - auditing books	45.00	
C. H. Wells Co. - survey fixtures, first aid boxes	2.07	
Lyons Iron Works, Inc. - material for bands,		
Wood pipe	18.10	
Whitney's Pharmacy - first aid supplies	6.19	
Granite State Asphalt Products Co. - to repair leak	12.00	
Brown and Saltmarsh, Inc. - 1 adding		
machine and supplies	110.00	
Hirsch Bros., Inc., Kimball-Millard St.		
part payment	500.00	
Chase's Garage - gas, oil and storage	49.11	
Petit Plumbing Co. - materials for piping, etc.	25.55	
Pembroke School Dist. for bldg. known		
as Comm. House	200.00	
		<hr/>
		\$1,223.43
		<hr/>
		\$2,563.18

JUNE, 1951

Payroll Account

M. G. Ferry, Supt. and Coll.	\$340.00	
Aldei Duguay - Labor	313.70	
Donald Brasley - Labor	251.90	
Ernest L. Martel - Labor	300.00	
Richard Plourde - Labor	84.70	
Donald Comirey - Labor	14.30	
		<hr/>
		\$1,304.65

Distribution of Payroll Account

Administration and Supervision	\$340.00	
Mains - new extensions	270.00	
repairs to — iron	120.00	
Wood Epsom	\$240.00	
Other	95.00	335.00
Services - new		94.30
relays		100.35
Hydrants - repairs for joint Com.		45.00
		<hr/>
Total gross payroll	\$1,304.65	

Summary of Bills Paid

M. G. Ferry, Supt. - cash exp. 1,000 3c stamps	\$30.00
P. DiMascio and Son, Inc. - labor and bulldozer	
for Allentown leak	50.00
Public Service Co. of N. H. - power for pump	
station May and June	493.94
Suncook Valley Free Press - invoice, 2 notices	53.52
Bristol Water Works - 63 lengths of 6" pipe	1,485.62
Normand Hamel - hauling pipe from Bristol	100.00
Racette Radio Electric Service - batteries, keys	2.10

Concord Lumber Co. - sewere pipe in re. new line on Millard	44.70	
H. R. Prescott and Sons, Inc. - mains, services	181.60	
Maurice A. Yeaton - filling holes after leak (Epsom)	10.00	
Man. Sand, Gravel and Cement Co. - for leak	3.51	
Rene Lavallee - welding bands for wood pipe, repairs	9.00	
Army and Navy Store, Concord - raincoats, hats	37.33	
Gay's Express, Inc. - trucking fittings	1.65	
Brown and Saltmarsh, Inc. - office supplies	1.10	
N. E. Tel and Tel. Co. - telephone service	21.50	
H. Roy Construction - use of trench hoe	44.00	
Jones' Express trucking hyd. parts	3.05	
J. C. Brasley - gas, oil and grease	61.00	
Petit Plumbing Co. - pipe and fittings	6.83	
		<hr/>
		\$2,645.45
		<hr/>
		\$3,950.10

JULY, 1951

Payroll Account

M. G. Ferry, Supt. and Coll.	\$340.00	
Aldei Duguay - Labor	261.25	
Ernest L. Martel - Labor	260.00	
Donald Brasley - Labor	217.80	
Richard Plourde - Labor	126.50	
Albert Hamel - Labor	154.00	
		<hr/>
		\$1,359.55

Distribution of Payroll Account

Administration and Supervision	\$340.00	
Mains - new extensions	40.50	
repairs to - iron	97.50	
wood - Epsom	\$259.00	
Other	210.00	
Services - new	139.00	
relays	188.00	
Hydrants - repairs to	60.20	
Pumping Station	25.35	
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Total gross payroll	\$1,359.55	

Summary of Bills Paid

M. G. Ferry, Supt. - cash expenses, stamps, P. O. Box and express	\$7.94
N. H. Explosives and Machine Co. Inc. - dynamite and caps purchased during 1950	9.24
Rensselaer Valve Co. - new hydrant gates for Buck Street extension	94.40
Chase's Garage - gas, oil, battery	99.80

H. R. Prescott and Sons, Inc. - lead and service adapters	57.30	
Granite State Asphalt Prod. Co., Inc. - rd. repairs	26.70	
N. E. Tel. and Tel. Co. - Water Works phone	17.58	
Richotte Ins. Agency - ins. for 1½ ton truck	5.30	
Hedge and Mattheis Co. - drill points, etc	25.32	
Kenneth M. Woodbury - truck insurance	32.62	
C. H. Wells Co. - Loose-leaf book	1.00	
Army and Navy Store, Concord - 2 pr. rubber boots	17.96	
Concord Lumber Co. - pipe for Millard St. repair	5.16	
Perreault's Garage - pump and generator repairs	5.60	
The Chemical Corp. - soda ash	61.00	
Coll's Transp. and Const. Co. - hauling pipe, repairs	54.75	
H. R. Prescott and Sons, Inc. - taps, drills and corporations	81.25	
Robert's Express, Inc. - transporting gate valves	3.55	
George A. Lugg - use of bulldozer - Millard St. deduct from Hirsch Bros.	60.00	
Anton B. Nelson - Backhoe - main repairs	86.50	
Bailey Lumber Co. - new mains	4.14	
Jones' Express - transportation of fittings	4.28	
Public Service Co. of N. H. - power at pump. sta	408.00	
Hirsch Bros, Inc. - balance due on contract re. Millard-Kimball street	1,031.50	
Petit Plumbing Co. - fittings and water pump repr.	5.03	
		<u>\$2,206.62</u>
		<u>\$3,566.17</u>

AUGUST, 1951

Payroll Account

M. G. Ferry, Supt. and Coll.	\$425.00	
Aldei Duguay - Labor	286.25	
Ernest L. Martel - Labor	287.50	
Donald Brasley - Labor	245.30	
Albert Hamel - Labor	90.20	
Richard Plourde - Labor	22.00	
		<u>\$1,356.25</u>

Distribution of Payroll Account

Administration and Supervision	\$425.00	
Mains - new extensions	155.50	
repairs to - iron pipe	73.50	
Wood pipe - Epsom	\$220.00	
Other	127.00	347.00
Services - new installations		180.00
relays - Epsom	75.00	
Other	85.00	160.00
Hydrants - repairs to		15.25
Total gross payroll	\$1,356.25	

Summary of Bills Paid

M. G. Ferry, Supt. - cash expenses, prints, lunches for leak in town of Epsom	\$2.44
N. E. Tel. and Tel. Co. - phone service, 2 months	29.08
Hillside Garage - cutting - Main and Sargent St.	3.00
Racette Radio Electric Service - making 4 keys	1.00
J. C. Brasley - gas, oil, wrecker service	57.66
Brown and Saltmarsh, Inc. - office supplies	.65
Public Service Co. of N. H. - power at pumping station and comm. house	418.21
N. H. Explosives and Mach. Co., Inc. - drilling tools	19.78
Plourde Sand and Gravel Co. - leak at Bailey's	21.00
Alfred B. Hartford - auditing	68.00
Hedge and Mattheis Co. - pump diaphragms	12.15
The Chemical Corp. - soda ash	137.25
Sanel Auto Parts, Inc. - lantern, batt., extra batt.	3.10
Town of Allenstown - 1951 property tax	7.09
Concord Lumber Co. - sewer supplies	1.69
Hirsch Bros., Inc. - Bradbury Road contract, final	1,007.20
Petit Plumbing Co. - fittings for chemical filters	3.65
	<hr/>
	\$1,792.94
	<hr/>
	\$3,149.19

SEPTEMBER, 1951

Payroll Account

M. G. Ferry, Supt. and Coll.	\$340.00
Aldei Duguay - Labor	237.50
Ernest L. Martel - Labor	250.00
Donald Brasley - Labor	215.60
Theodore Krzcuik - Labor	4.40
	<hr/>
	\$1,047.50

Distribution of Payroll Account

Administration and Supervision	\$340.00
Mains - iron - repairs to	80.00
wood - Epsom	\$ 10.00
Other	84.00
	294.00
Hyrants - repairs to	52.00
Services - new	70.00
relays - Epsom	63.00
Other	18.00
repairs	78.00
Pumping station	15.00
Locating shutoffs	37.50
	<hr/>
Total gross payroll	\$1,017.50

Summary of Bills Paid

M. G. Ferry, Supt. - cash expenses, stamps,	
P. O. Box and Epsom prints	\$4.53

Plourde Sand and Gravel Co - repairs to mains	97.00	
Lyons Iron Works, Inc. - Epsom wood pipe reprs.	30.55	
Granite State Asphalt Prod. Co., Inc. service repr.	14.99	
H. R. Prescott and Sons, Inc. - repairs to mains and services	254.29	
N. E. Tel and Tel. Co. - services Supt., Foreman	14.20	
Gedeon N. Petit, Jr. - flowers	10.00	
Jones Express - charges for fittings	4.38	
Victor R. Girard - staves for wood pipe	5.00	
Lewis W. Cass - supp. for office, pumping station and general repairs	51.54	
Page Belting Co. - gate valve	11.74	
Chase's Garage - gas and oil	63.45	
Petit Plumbing Co. - service relay and fittings	4.84	
		<hr/>
		\$566.51
		<hr/>
		\$1,614.01

OCTOBER, 1951

Payroll Account

M. G. Ferry, Supt. and Coll.	\$340.00	
Aldei Duguay - Labor	252.50	
Ernest L. Martel - Labor	251.25	
Donald Brasley - Labor	213.40	
Oliver Duguay - Labor	19.80	
		<hr/>
		\$1,076.95

Distribution of Payroll Account

Administration and Supervision	\$340.00	
Mains - repairs to - iron	49.50	
wood - Epsom	\$201.00	
Other	82.50	283.50
Hydrants - new		80.50
repairs		54.90
Gates, in mains		46.80
Services - new		79.50
relays - Epsom	38.75	
Other	36.50	75.25
Pumping Station		22.00
Community House - remodeling		45.00

Total gross payroll	\$1,076.95
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Summary of Bills Paid

The Chemical Corp. - soda ash for Oct., Nov.	\$152.50
Socony-Vacuum Oil Co. - motor oil for pump. sta.	9.21
Public Service Co. of N. H. - power pumping station and Community House Sept., Oct.	839.18
The Pembroke Press - gate location cards	21.45
Town of Pembroke - payment for damages on Millard St. re: p.ipe distribution	81.34

Perreault's Garage - repairs, etc. to trucks	98.40	
Chase's Garage - gas, etc.	11.40	
Sanel Auto Parts, Inc. - radiator tester	5.95	
Manchester Supply Co. - copper tubing	87.30	
Thompson and Hoague Co. - keys to Comm. House	1.20	
H. Roy Construction - rent of trench hoe	28.00	
Manchester Water Works - joint compound	10.00	
H. R. Prescott and Sons, Inc. - compound furnace and joint compound	143.00	
N. H. Water Works Asso. - membership dues	5.00	
Granite State Asphalt Prod. Co., Inc. - repairs	23.34	
J. C. Brasley - gas, oil and welding	72.32	
Hillside Garage - cutting main	9.20	
Racette Radio Electric Serv. - batt. and pipe loca.	8.65	
City of Concord - taxes - Concord well site	31.44	
N. E. Tel. and Tel. Co. - service Supt., Foreman	14.40	
		<hr/>
		\$1,653.28
		<hr/>
		\$2,730.23

NOVEMBER, 1951

Payroll Account

M. G. Ferry, Supt. and Coll.	\$425.00	
Aldei Duguay - Labor	273.75	
Ernest L. Martel - Labor	283.75	
Donald Brasley - Labor	236.50	
		<hr/>
		\$1,219.00

Distribution of Payroll Account

Administration and Supervision	\$425.00	
Mains - repairs to - iron pipe	18.80	
Wood - Pembroke	\$92.05	
Epsom	150.90	242.95
Hydrants - repairs to	98.00	
testing	68.60	
testing Epsom	10.00	
Gates, in wood mains - Epsom	46.80	
Services - new	64.80	
Pumping Station	84.80	
Community House - remodeling	120.45	
General - inventory	38.80	

Total gross payroll	\$1,219.00
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Summary of Bills Paid

M. G. Ferry, Supt. - cash expenses, stamps	
Express on water sample and thawing torch	\$6.36
Philip Brasley, Salary as Commissioner	50.00
Victor R. Girard - Salary as Commissioner	50.00
Frank A. Petit - Salary as Commissioner	50.00
Arthur J. Richard - Salary as Commissioner	50.00

William LeClair - Salary as Commissioner	50.00	
C. H. Wells Co. - expenses pump sta. and office	3.81	
Public Utilities Comm. - in re. Service and Rates	6.38	
Merrimack Oil Co. - fuel oil, pump. sta.	39.31	
H. R. Prescott and Sons, Inc. - Steam thawer	53.00	
Chase's Garage - Compressor and truck reps., etc.	21.60	
George Hillman, Jr. - tires for pickup	77.44	
Socony-Vacuum Oil Co. - Freezone, deposit on cont	53.90	
Public Service Co. of N. H. - power, pump sta. and Community House	444.17	
Page Belting Co. - supplies	28.51	
Suncook Valley Free Press - adv. regulations	15.28	
Hedge and Mattheis Co. - torch wicks	4.70	
Monitor - Patriot Co. - Rules and Regulations adv.	25.30	
The Chemical Corp. - soda ash	76.25	
Harry K. Rogers - Workmen's Comp., Emp. Liab.	191.40	
Smith's Service Station - gas and oil	57.45	
N. E. Tel. and Tel. Co. - Supt., Foreman (2 mos.)	34.05	
Lewis W. Cass - repairs and supplies, pumping station and Community House	24.38	
Ludlow Valve Mfg. Co., Inc. - Hyd. parts repairs	41.02	
Alfred Metivier - kerosene for torches	56.21	
Woodbury and Woodbury - Services as PWW Atty.	42.88	
Petit Plumbing Co. - supplies	29.28	
		<hr/>
		\$1,582.68
		<hr/>
		\$2,801.68

DECEMBER, 1951

Payroll Account

M. G. Ferry, Supt. and Coll.	\$340.00	
Aldei Duguay - Labor	213.75	
Ernest L. Martel - Labor	208.75	
Donald Brasley - Labor	174.90	
		<hr/>
		937.40

Distribution of Payroll Account

Administration and Supervision	\$340.00	
Mains - iron		
new extensions - Grandview Rd.	47.60	
repairs	38.80	
wood - Epsom	\$58.80	
Pembroke	28.80	87.60
Services - new (inc. Granite St.)	128.60	
relays (Highland St.)	103.00	
Hydrants - repairs to	14.10	
testing	14.40	
testing - Epsom	11.50	
Pumping Sta., labor, snow removal	31.60	
Community House - remodeling	86.40	

General, inventory	28.80	
Total gross payroll	<u>\$937.40</u>	
Summary of Bills Paid		
Socony-Vacuum Oil Co. - Mobile Freezone for Hydrants		\$45.90
Alfred B. Hartford - Auditing, re. water rentals		238.65
N. E. Tel. and Tel. Co. - Supt. and Foreman		13.95
Public Service Co. of N. H. - power, pumping station and Community House		441.35
J. C. Brasley - labor (Epsom) \$4.70 - Truck repairs \$8.68		13.38
Page Belting Co. - 6 unions - Highland St.		7.84
Jones' Express - transportation		2.07
The Chemical Corp - soda ash, pump. sta.		76.25
Hillside Garage - remodel. Comm. House and hydrant rep.		9.50
Bailey Lumber Co. - bldg. mat. remodl. Comm. Hse.		17.79
Chase's Garage - gas and oil		74.36
Perreault's Garage - compressor repairs		7.90
Merrimack Oil Co. - fuel oil, pump. sta.		22.27
Brown and Saltmarsh, Inc. - office supplies		.95
H. R. Prescott and Sons, Inc. - cutting in valve, stock supplies		107.28
Victor R. Girard - Community House remodeling		754.86
	<u></u>	<u>\$1,834.30</u>
		<u>\$2,771.70</u>

Summary

TOTAL PAYROLL

\$13,126.05

TOTAL DISTRIBUTION OF PAYROLL ACCOUNT

Administration and Collection	\$4,160.00	
Hydrants		
Repairs	\$791.00	
New	80.50	
Testing	83.00	
Testing - Epsom	21.50	
	976.00	
Mains		
New	513.60	
Repairs - iron	626.10	
Repairs - wood	1,228.25	
Repairs - wood - Epsom	2,137.50	
	4,505.45	
Services		
New	980.70	
Repairs	347.71	
Relays	712.74	
Relays - Epsom	176.75	
	2,217.90	
Gates, in Mains		
Other	46.80	
Epsom	46.80	
	93.60	
Locating Shutoffs	37.50	
Pumping Station	178.75	
Survey of Fixtures	570.50	
Community House - remodeling	251.85	
General Inventory	67.60	
Miscellaneous	66.90	
	\$13,126.05	
Total Epsom Account	(\$2,382.55)	
TOTAL BILLS PAID		17,799.90
Total amount paid out fiscal year 1951		\$30,025.95

Signed,

ARTHUR J. RICHARD
WILLIAM R. LeCLAIR
VICTOR R. GIRARD
FRANK A. PETTIT
PHILIP BRASLEY

AUDITOR'S REPORT
on the
PEMBROKE
WATER WORKS

FEBRUARY 14, 1952

ALFRED B. HARTFORD
Certified Public Accountant
CONCORD, NEW HAMPSHIRE

ALFRED B. HARTFORD
Certified Public Accountant
CONCORD, NEW HAMPSHIRE

February 19, 1952

To the Commissioners
Pembroke Water Works
Pembroke, New Hampshire

We have made an examination of the accounts of the Pembroke Water Works for the year ended December 31, 1951.

Our examination included an audit of all transactions for the year. We did not confirm accounts receivable and accounts payable with the debtors and creditors nor were we present when the inventory was taken.

Cash receipts as recorded on the individual accounts of each water taker were traced to the bank deposits and all cancelled checks were vouched against the record of disbursements. Cash on deposit at December 31, 1951 was confirmed with the depository.

All charges for water service and fines were checked to the individual accounts for the year and additions verified. All credits for cash received and rebates granted were checked to the individual accounts for the year and the unpaid balances at December 31, 1951 listed.

We have incorporated in the records and the attached report the assets and liabilities of the additions to the system as reported by the Joint Committee.

In our opinion the exhibits and schedules attached reflect fairly the financial condition of the Pembroke Water Works at December 31, 1951 and the results of its operations for the year then ended.

Alfred B. Hartford
Certified Public Accountant

Pembroke

BALANCE SHEET

ASSETS

CURRENT ASSETS	Pembroke	Epsom	Total
Cash in bank and on hand	\$1,486.44	\$	\$1,486.44
Sash in bank — Joint Committee	2,527.06		2,527.06
Cash in Savings Bank #10836	2,588.38		2,588.38
Cash in Savings Bank #11130	416.67		416.67
Cash — Sinking Fund	4,280.03		4,280.03
Cash — Payroll			
Revolving Fund	1,500.00		1,500.00
Accounts Receivable	208.05	17.50	225.55
Materials and Supplies	5,492.98		5,492.98
Total Current Assets	18,499.61	17.50	18,517.11
FIXED ASSETS			
Land	9,435.00		9,435.00
Structures — Pumping Sta.	45,874.01		45,874.01
Structures — Wells	29,433.20	983.00	30,416.20
Structures — Water Storage	40,886.35		40,886.35
Equip. — Source of Supply	1,500.00		1,500.00
Equip. — Pumping Station	26,196.40		26,196.40
Purification Equipment		2,371.08	2,372.08
Mains	340,936.13	76,418.79	417,354.92
Services	25,351.84	3,239.07	28,590.91
Hydrants	13,335.09	531.56	13,866.65
Pump and Floodlights	3,930.03		3,930.03
Trucks	1,371.25		1,371.25
Office Equipment	193.00		193.00
Community House — Bldg.	1,179.50		1,179.50
Tools	836.82		836.82
Totals	540,438.62	83,543.50	623,982.12
Less—Reserve for Depreciation	53,450.44	14,901.96	68,352.40
Total Fixed Assets	486,988.18	68,641.54	555,629.72
OTHER ASSETS (Net)			
Intangible Property	5,475.45		5,475.45
TOTAL ASSETS	\$510,963.24	\$68,659.04	\$579,622.28

Water Works

— DECEMBER 31, 1951

EXHIBIT I

LIABILITIES and CAPITAL

CURRENT LIABILITIES	Pembroke	Epsom	Total
Accounts Payable:			
Current	\$1,834.30	\$	\$1,834.30
Contractor	2,900.14		2,900.14
Notes Payable 2% 6 yr.			
Serial	1,000.00		1,000.00
Accrued Payroll	937.40		937.40
Total Current Liabilities	6,671.84		6,671.84
LONG-TERM DEBT			
Bonds Payable - 2¼%			
30 yr. Serial	336,000.00		336,000.00
Bonds Payable - 2¼%			
20 yr. Serial	38,000.00		38,000.00
Notes Payable - 2%			
6 yr. Serial	5,000.00		5,000.00
Notes Payable - 2¼%			
6 yr. serial	6,000.00		6,000.00
Total Long-Term Debt	385,000.00		385,000.00
CAPITAL			
Municipal Investments	(3,314.22)	72,211.33	68,987.11
SURPLUS—January 1, 1951	120,339.45		120,339.45
Net Loss for the Year			
(Exhibit II)			
	2,266.17	(3,552.29)	(1,286.12)
Total			
	122,605.62	(3,552.29)	119,053.33
TOTAL LIABILITIES AND CAPITAL	\$510,963.24	\$68,659.04	\$579,622.28

Pembroke Water Works **EXHIBIT II**
STATEMENT OF REVENUE AND EXPENDITURES
FOR THE YEAR ENDED DECEMBER 31, 1951

REVENUE	Pembroke	Epsom	Total
Commercial Sales	\$20,963.25	\$1,501.25	\$22,464.50
Industrial Sales	3,150.00	98.00	3,248.00
Hydrant Rentals	2,771.50	255.00	3,026.50
Merchandise Sales and Job Work	53.20		53.20
Other - Fines	18.92	2.00	20.92
Total	26,956.87	1,856.25	28,813.12
EXPENDITURE			
Operation and Maintenance Water (Schedule 1)	16,545.54	4,339.93	20,885.47
Depreciation - Water (Schedule 2)	2,028.86	1,068.61	3,097.47
Taxes - Water	73.90		73.90
Total	18,648.30	5,408.54	24,056.84
NET OPERATING INCOME - WATER	8,308.57	(3,552.29)	4,756.28
NON-OPERATING INCOME			
Sale of Lumber	159.62		159.62
Sale of Fire Escape	25.00		25.00
Int. Received - Sinking Fund	459.04		459.04
Accured Interest on Serial Bonds	352.50		352.50
Interest Received - Savings Bank Deposits	500.65		500.65
Sale of Right of Way and Building	800.00		800.00
Interest Received - U. S. Treasury Bills	2,089.50		2,089.50
Discounts Earned	17.11		17.11
Total	4,403.42		4,403.42
	12,711.99	(3,552.29)	9,159.70
OTHER CHARGES			
Interest on Bonds	8,730.00		8,730.00
Inventory Loss	1,715.82		1,715.82
Total	10,445.82		10,445.82
NET LOSS (To Exhibit I)	\$2,266.17	(\$3,552.29)	(\$1,286.12)

Pembroke Water Works SCHEDULE 1

EXPENSES OF OPERATION AND MAINTENANCE — WATER

	Pembroke	Epsom	Total
Source of Supply	\$4 112.44	\$	\$4,112.44
Adm. and Superintendence	2,869.67	832.00	3,701.67
Repairs to Mains	2,939.01	2,323.37	5,262.38
Repairs to Hydrants	1,174.53	21.50	1,196.03
Repairs to Services	1,209.67	403.16	1,612.83
Miscellaneous	265.53		265.53
Office Expense	1,746.65	185.48	1,932.13
General Expense	223.47	98.07	326.54
Insurance	317.29		317.29
Garage Expense	901.93	381.45	1,283.43
Collection Expense	414.33	44.00	458.33
Shop Expense	115.97	50.90	166.87
Commissioners' Salaries	250.00		250.00
Total	\$16,545.54	\$4,339.93	\$20,885.47

SCHEDULE 2

DEPRECIATION EXPENSE

Structures—Water Supply	\$	\$19.66	\$19.66
Equipment—Water Supply	20.00		20.00
Purification Equipment		237.10	237.10
Mains	856.35	733.71	1,590.06
Services	381.69	71.62	453.31
Hydrants	74.92	6.52	81.44
Pump and Floodlights	353.33		353.33
Trucks	342.57		342.57
Total	\$2,028.86	\$1,068.61	\$3,097.47

Report of the
JOINT COMMITTEE
on the
PEMBROKE
WATER WORKS

DECEMBER 31, 1951

JOINT WATER COMMITTEE

Philip Brasley, *Chairman of Board of Commissioners*

Charles W. Green, *Chairman of Advisory Committee*

Walter Bergevin

Frank A. Petit

George Chickering

Albert J. Richard

Warren G. Foss

Arthur J. Richard

Victor R Girard

Albert Ritchotte

William LeClair

Chester T. Robinson

REPORT ON THE NEW WATER SYSTEM

The additions to the Pembroke Water System were completed October 25, 1951, and the Pembroke well is now regularly supplying water to the town mains. The Concord well is ready for emergency operation, and was in use for a few days in January when an accident forced the shutdown of the Pembroke well. Changes have been made at the well to prevent a recurrence of this trouble.

The position of the town with respect to fire hazard has been much improved. This is reflected in a change in insurance rates, a minimum reduction of 8% in some cases to a maximum of 50% in others.

The work which was completed during last year on Pembroke Street included service connections, hydrant installation and connection, a road to the pumping station, and miscellaneous cleanup jobs. On Buck Street, an 8 inch main has been layed to a point 800 feet beyond Academy Road. Service connections have been made over this section, new hydrants added, and the old hydrants transferred to the new main. The wooden main on Millard Street has been replaced by cast iron.

The amount of rock excavation and repaving were greater than the original engineering estimate as were also the charges for engineering supervision. The new construction on Millard Street and the extension on Buck Street beyond Academy Road were not figured in the original plan. For these reasons it became necessary to borrow an additional 12,000 to complete the work. This was arranged as a 12 year loan from the Suncook Bank, payable in yearly installments.

With the statement of receipts and disbursements which follows, there is completed the work of the Advisory Committee and the Joint Committee on this addition to the Pembroke Water System.

ALFRED B. HARTFORD
Certified Public Accountant
CONCORD, NEW HAMPSHIRE

February 19, 1952

Pembroke Water Works
Joint Committee
Pembroke, New Hampshire

We have made an examination of the accounts of the Joint Committee for the period from November 1, 1949 to February 14, 1952 in connection with the construction of additions to the water works system.

Our examination included an audit of all receipts and disbursements for the period and a verification of the cash on hand and liabilities at February 6, 1952.

In our opinion the attached statement of receipts and disbursements for the period ended February 14, 1952 reflect fairly the results of its operations for the period then ended.

Alfred B. Hartford
Certified Public Accountant

Pembroke Water Works

REPORT OF JOINT COMMITTEE

Statement of Receipts and Disbursements

For the Period, from November 1, 1949 to February 14, 1952

RECEIPTS

Serial bonds dated Nov. 1, 1949 @ 2¼%	\$360,000.00	
Serial bonds dated Aug. 1, 1950 @ 2¼%	40,000.00	
Serial notes dated Jan. 22, 1952 @ 2%	6,000.00	
Serial notes dated Jan. 22, 1952 @ 2¼%	6,000.00	
	<hr/>	\$412,000.00
Premium received on serial bonds		5,484.00
Accrued interest on serial bonds		352.50
Interest earned on U. S. Treasury Bills		2,089.50
Interest earned on savings bank deposits		500.65
Sale of right of way and building		800.00
		<hr/>
Total receipts by Treasurer		421,226.65

EXPENDITURES AUTHORIZED BY COMMITTEE

Land — water supply	5,340.00
Structures — water supply	42,053.75
Equipment — water supply	43,768.87
Mains	229,253.96
Services	7,432.01
Hydrants	6,620.76
Standpipe	37,463.10
Legal expense	4,092.38
Engineering services	33,716.68
Exploration survey	2,825.00
Test wells	4,403.05
Bond issue expense	1,383.07
Insurance	210.90
Other	31.15

Total expenditures	\$418,594.68
Less percentage retained from contractors until final acceptance of project—due Oct. 25, 1952	2,900.14
	<hr/>
Total amount disbursed by Treasurer	415,694.54

Cash on hand at completion of project February 6, 1952	5,532.11
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TRANSFERRED TO COMMISSIONERS OF WATER WORKS

Suncook Bank — checking account	2,527.06	
Suncook Bank — savings #10836	2,588.38	
Suncook Bank — savings #11130	416.67	
	<hr/>	5,532.11
Cash on hand February 14, 1952		None